WASHINGTON STATE DEPARTMENT OF ECOLOGY ENVIRONMENTAL ASSESSMENT PROGRAM LABORATORY ACCREDITATION UNIT

APPLICATION FOR ENVIRONMENTAL LABORATORY ACCREDITATION

Reference: Chapter 173-50 WAC

SECTION I - GENERAL INFORMATION

1. Legal Applicant				
9 11	(e.g., corporation, pa	artnership, proprieto	or, owner)	
2. Name of Lab				
3. Lab Mailing Address	(number and	street or PO Box)		
	(city)	(sta	te) (zip code + 4)
4. Location of Lab (if different than mailing address)	(number and st	reet, city, and state))	
5. Accreditation Point of Contact	(name and position)	()	(area cod	
6. Actions for Which Application is Submitted (check all that apply)	Accreditation Recognition of Third Party Accreditation Recognition of Reciprocity Agreement	(area code)	(fax number) (Complete Section II) (Complete Sections II) (Complete Sections II)	and III)
7. Application Status	Initial Renewal If renewal,	Lab Accreditation 1	Number (from Certificate	e):
8. Laboratory Category.	Check the one category that best describes ye	our laboratory:		
Academic	Commercial (for hire)	State	Pretreatme	ent
Industrial	Municipal (including county or district)	Federal	Tribal	
Other (specify)				

SECTION II - TECHNICAL INFORMATION

1. Parameter and Method Identification and Fee Calculation. Starting on Page 3, indicate parameters and methods for which accreditation is requested and the fee for each category. Additional parameters may be requested in each category by entering the parameters/methods on the blank lines at the end of each category. Likewise, multiple methods may be requested for a given parameter provided the analytical procedures are substantially different. For example, AA and ICP methods for metals are substantially different and both could be requested. On the other hand, EPA Method 340.2 and Standard Method 4500-F B+C for fluoride are essentially identical and only one should be requested. If accreditation is requested for two or more substantially different method per parameter, a separate fee per parameter is assessed for each. The maximum fee per category does not change.

Recognition of Third Party accreditations. If applying for recognition of a third party's accreditation or a reciprocity agreement, the fee per parameter is usually not paid, but the parameters and methods **must be** indicated and they **must be** those accredited by the third party. Mark parameters for which recognition of a third party's accreditation or reciprocity agreement is requested by placing an **asterisk** (*) by the parameter.

Renewals. If this is a renewal, check each parameter you want to request. You do not have to write the method and description unless there is a change.

2.	be analyzed and repo	orted for that parameter twice annu	ally. If accreditation for a para submitted for each method. In	performance evaluation sample must meter is by two or more "substantial in the spaces below, list the PE studie to this application.	ly
	<u>Date of Report</u>	Provider of Samples		Study Number	
3.		cant I certify I have read Chapter I of this application and am aware			
	(signature of applica	nt or designated representative)	(position)	(date)	_
pre	evious personnel and o		d. Send the completed applicat	renewal application, only changes to tion, fee, and PE evaluation reports to ashington State Dept of Ecology.	
N	Telephone	Department of Ecology Cashiering Section PO Box 5128 Lacey, WA 98509-5128	Shipping Address:	Department of Ecology Cashiering Section 300 Desmond Drive Lacey, WA 98503	
	reichnoue	(500) 10/-/0/1			
Se	nd any updates or rev	ision of the lab's Quality Assurance	e Manual to:		

Shipping Address:

FAX: (360) 895-6180

Mailing Address:

Department of Ecology

Lab Accreditation Unit

Manchester, WA 98353

PO Box 488

Telephone: (360) 895-6144

Department of Ecology

Lab Accreditation Unit

E-mail: cosc461@ecy.wa.gov

2350 Colchester Dr. Manchester, WA 98353 PE Sample

Parameter Required Description Method No. Source (in	(incl. edition, y	T
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v	cc/parameter/met	hod is \$55. Maximum f	ce 15 \$1000.	Calculated Fee \$
Acidity				
Alkalinity	Yes			
Ammonia	Yes			
Anionic Surfactants				
Biochemical Oxygen	Yes			
Demand (BOD) & Carbonaceous BOD (CBOD)				
_ Bromide				
_ Calcium	Yes			
_ Chemical Oxygen	Yes			
Demand (COD)				
Chloride	Yes			
_ Chlorine Total Yes				
Residual				
Color				
Cyanide Total	Yes			
Dissolved Oxygen				
Fluoride	Yes			
Hardness Total	Yes			
Hexane Extractable Material	Yes			
_ Magnesium	Yes			
Nitrate	Yes			
Nitrate + Nitrite				
Nitrite				
Nitrogen Total Yes				
Kjeldahl				
_ Oil & Grease	Yes			
_ Orthophosphate	Yes			
_ pH	Yes			
_ Phenolics Total	Yes			
_ Phosphorus Total	Yes			
_ Potassium	Yes			
_ Salinity				
_ Silica				
_ Sodium	Yes			
_ Solids Total	Yes			
_ Solids Total	Yes			
Dissolved (TDS)				
_ Solids Total Suspended (TSS)	Yes			
_ Solids Total Volatile				

		Description	Method No.	Source (incl. edition, yr)
hemistry I (continue	d)			
Sulfate	Yes			
Sulfide				
Sulfite				
Total Organic Carbo				
Total Organic Halid				
Total Petroleum	Yes			
Hydrocarbons				
Turbidity	Yes			
				
hemistry II - Trace	Metals. Fee/para	ameter/method is \$55. Ma	aximum Fee is \$850.	Calculated Fee \$
Aluminum	Yes			
Antimony	Yes			
Arsenic	Yes			
Barium	Yes			
Beryllium	Yes			
Cadmium	Yes			
Chromium	Yes			
Cobalt	Yes			
•				
Copper	Yes			
Copper	Yes			
Iron	Yes			
Iron Lead	Yes			
Iron Lead Manganese	Yes			
Iron Lead Manganese Mercury	Yes Yes			
Iron Lead Manganese Mercury Molybdenum	Yes Yes Yes			
Iron Lead Manganese Mercury	Yes Yes Yes			
Iron Lead Manganese Mercury Molybdenum Nickel	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium	Yes Yes Yes Yes Yes Yes Yes Yes Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Strontium	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Strontium Thallium	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Strontium Thallium Tin	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Strontium Thallium Tin Titanium	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Strontium Thallium Tin Titanium Vanadium	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Strontium Thallium Tin Titanium Vanadium	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Strontium Thallium Tin Titanium Vanadium	Yes			
Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Strontium Thallium Tin Titanium Vanadium	Yes			

PE Sample

PE Sample

Parameter

Required Description

Method No. Source (incl. edition, yr)

NOTE: Methods under	parame	eter titles are for example only. Others can be requested.
Purgeable Halocarbons (601)	Yes	
Purgeable Aromatics	Yes	
(602)		
Acrolein/Acrylonitrile-		
(603)		
Phenols		
(604)		
Benzidines		
(605)		
hthalate Esters		
(606)		
Vitrosamines		
(607)		
Organochlorine Pesticides	Yes	
(608)		
CBs	Yes	
(608)		
Vitroaromatics & Isophorone		
(609)		
Polynuclear Aromatic		
Hydrocarbons		
(610, 8310)		
Ialoethers		
(611)		
Chlorinated Hydrocarbons		
(612)		
Organophosphorus Pesticides		
(614)		
Chlorinated Herbicides		
(615)		
otal Petroleum	Yes	
Hydrocarbons *		
(NWTPH-Dx)		
otal Petroleum	Yes	
Hydrocarbons *		

(2) Internet: http://www.wa.gov/ecology/tcp/cleanup.html.

^{*} Department of Ecology, "Analytical Methods for Total Petroleum Hydrocarbons," Publication No. ECY 97-602, June 1997. Available from: (1) Ecology Publications Office at (360) 407-7472 or E-mail ecypub@ecy.wa.gov

PE Sample Required

Parameter	R

<u>Description</u>

Method No. Source (incl. edition, yr)

Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	Yes	25. Maximum fee is \$1200. Calculated Fee	e \$
chlorodibenzo-p-dioxin) (613) Purgeable (volatile) Organics (624, 8260) Semivolatile Organics (625, 8270) adioactivity. Fee/parameter/ Gross Alpha Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	Yes		e \$
(613) Purgeable (volatile) Organics (624, 8260) Semivolatile Organics (625, 8270) adioactivity. Fee/parameter/ Gross Alpha Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	method is \$ /es /es /es /es /es /es		e \$
Purgeable (volatile) Organics (624, 8260) Semivolatile Organics (625, 8270) Adioactivity. Fee/parameter/ Gross Alpha Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	method is \$ /es /es /es /es /es /es		e \$
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Gross Alpha Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	/es	25. Maximum fee is \$1200. Calculated Fee	e \$
Gross Alpha Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	/es	25. Maximum fee is \$1200. Calculated Fee	e \$
Gross Alpha Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	/es	25. Maximum fee is \$1200. Calculated Fee	e \$
Gross Alpha Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	/es	25. Maximum fee is \$1200. Calculated Fee	e \$
Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	/es		
Gross Beta Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	/es		
Cesium 134 Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	Yes		
Cesium 137 Cobalt 60 Radium 226 Radium 228 Tritium Total Uranium Iodine 131 Strontium 89	Yes _ Yes _		
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Tritium Y Total Uranium Y Iodine 131 Y Strontium 89 Y	Zes –		
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Strontium 89 Y	es		
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Suomum 70 I	es		
	es		
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icrobiology. Fee/parameter/	method is \$	205. Maximum fee is \$600. Calculated Fee	\$
Fecal Coliform			
Total Coliform			
Fecal Streptococcus			
Enterococcus			
E. coli			

Bioassay. Fee/parameter/method is \$200. Maximum fee is \$1250. Calculated Fee s

Water flea - Daphnia pulex	• •	<u> </u>
Water flea - Daphnia magna	Acute Methods – EPA/600/4-90/027F	
Water flea − Ceriodaphnia dubia	Water flea – Daphnia pulex	EPA/600/4-90/027F
Fathead minnow - Pimephales promelas	Water flea – Daphnia magna	EPA/600/4-90/027F
Rainbow trout - Oncorhynchus mykiss EPA/600/4-90/027F	Water flea – Ceriodaphnia dubia	EPA/600/4-90/027F
Brook trout - Salvelmus fontinalis EPA/600/4-90/027F Inland silverside - Menidia spp. EPA/600/4-90/027F Inland silverside - Menidia spp. EPA/600/4-90/027F Atlantic mysid - Mysidopsis bahia EPA/600/4-90/027F Atlantic mysid - Mysidopsis bahia EPA/600/4-90/027F Atlantic mysid - Holmesimysis costata EPA/600/4-90/027F Atlantic mysid - Mysidopsis bahia EPA/600/4-91/003 Atlantic mysid - Saltwater Methods - EPA/600/4-91/003 Sheepshead - Cyprinodon variegatus EPA/600/4-91/003 EPA/600/4-91/003 EPA/600/4-91/003 Sheepshead - Cyprinodon variegatus EPA/600/4-91/003 Sheepshea	Fathead minnow – Pimephales promelas	EPA/600/4-90/027F
Sheepshead minnow — Cyprinondon variegatus Inland silverside — Menidia spp. PAP60004-90027F Atlantic mysid — Mysidopsis bahia PerA6004-90027F Pacific mysid — Inland silverside — Menidia spp. Pacific mysid — Inland silverside — Menidia spp. Pacific mysid — Inland silverside — EPA6004-91/002 Fathead minnow — Pimephales promelas — EPA 1000.0 Fathead minnow — Pimephales promelas — EPA 1000.0 Fathead minnow — Pimephales promelas — EPA 1002.0 Green alga — Selenastrum capricormutum — EPA 1002.0 Green alga — Selenastrum capricormutum — EPA 1003.0 Green alga — Selenastrum capricormutum — EPA 1003.0 Sheepshead — Cyprinodon variegatus — EPA 1004.0 Inland silverside — Menidia beryilina — EPA 1006.0 Atlantic mysid — Mysidopsis bahia — EPA 1007.0 Sea urchin fertilization — Arbacia punctulata — EPA 1008.0 Vest Coast Methods — EPA/600/R-95/136 Pacific oyster — Crassostrea gigas — EPA 1005.0 Mussels — Mytilus sp. — EPA 1005.0 Mussels — Mytilus sp. — EPA 1005.0 Ausels — Mytilus sp. — EPA 1006.0 Pacific mysid — Holmesimysis costata — EPA 1006.0 Pacific mysid — Holmesimysis costata — EPA 1006.0 Echinoderms — Strongelocentrous purpuratus — EPA 1008.0 Echinoderms — Strongelocentrous purpuratus — EPA 1008.0 Echinoderms — Dendraster excentricus — EPA 1008.0 Giant kelp — Macrocystis pyrifera — EPA 1009.0 STM Methods — Bioconcentration, Fishes & Saltwater Bivalve Mollusks — ASTM E 1367 EPA 1006.0 — ASTM E 1367 EPA 1007.0 — EPA 1008.0 EPA 1009.0 — STP 1095 Poster — Poster	Rainbow trout – Oncorhynchus mykiss	EPA/600/4-90/027F
Sheepshead minnow — Cyprinondon variegatus Inland silverside — Menidia spp. PAP60004-90027F Atlantic mysid — Mysidopsis bahia PerA6004-90027F Pacific mysid — Inland silverside — Menidia spp. Pacific mysid — Inland silverside — Menidia spp. Pacific mysid — Inland silverside — EPA6004-91/002 Fathead minnow — Pimephales promelas — EPA 1000.0 Fathead minnow — Pimephales promelas — EPA 1000.0 Fathead minnow — Pimephales promelas — EPA 1002.0 Green alga — Selenastrum capricormutum — EPA 1002.0 Green alga — Selenastrum capricormutum — EPA 1003.0 Green alga — Selenastrum capricormutum — EPA 1003.0 Sheepshead — Cyprinodon variegatus — EPA 1004.0 Inland silverside — Menidia beryilina — EPA 1006.0 Atlantic mysid — Mysidopsis bahia — EPA 1007.0 Sea urchin fertilization — Arbacia punctulata — EPA 1008.0 Vest Coast Methods — EPA/600/R-95/136 Pacific oyster — Crassostrea gigas — EPA 1005.0 Mussels — Mytilus sp. — EPA 1005.0 Mussels — Mytilus sp. — EPA 1005.0 Ausels — Mytilus sp. — EPA 1006.0 Pacific mysid — Holmesimysis costata — EPA 1006.0 Pacific mysid — Holmesimysis costata — EPA 1006.0 Echinoderms — Strongelocentrous purpuratus — EPA 1008.0 Echinoderms — Strongelocentrous purpuratus — EPA 1008.0 Echinoderms — Dendraster excentricus — EPA 1008.0 Giant kelp — Macrocystis pyrifera — EPA 1009.0 STM Methods — Bioconcentration, Fishes & Saltwater Bivalve Mollusks — ASTM E 1367 EPA 1006.0 — ASTM E 1367 EPA 1007.0 — EPA 1008.0 EPA 1009.0 — STP 1095 Poster — Poster	Brook trout – Salvelinus fontinalis	EPA/600/4-90/027F
Inland silverside − Mendida spp.		EPA/600/4-90/027F
Atlantic mysid — Mysidopsis bahia EPA(600/4-90/027F Pacific mysid — Holmesimysis costata EPA (600/4-90/027F Pathead minnow — Pimephales promelas Feratogenicity EPA 1000.0 Fathead minnow — Pimephales promelas Teratogenicity EPA 1001.0 Water flea — Ceriodaphinia dubia EPA 1002.0 Green alga — Selenastrum capricornutum EPA 1003.0 Chronic Saltwater Methods — EPA/600/4-91/003 Sheepshead — Cyprinodon variegatus EPA 1004.0 Inland silverside — Menida beryllina EPA 1006.0 Atlantic mysid — Mysidopsis bahia EPA 1007.0 Sea urchin fertilization — Arbacia punctulata EPA 1008.0 PAcific mysid — Mysidopsis bahia EPA 1008.0 Vest Coast Methods — EPA/600/R-95/136 Pacific oyster — Crassostrea gigas EPA 1005.0 Mussels — Mytilus sp. EPA 1005.0 Pacific mysid — Holmesimysis costata EPA 1006.0 Pacific mysid — Holmesimysis costata EPA 1007.0 Echinoderms — Dendraster excentricus EPA 1008.0 EPA 1008.0 Giant kelp — Macrocystis pyrifera EPA 1008.0 Giant kelp — Macrocystis pyrifera EPA 1009.0 STM Methods Bioconcentration, Fishes & Saltwater Bivalve Mollusks ASTM E 1367 Echinoderms — Dendraster excentricus EPA 1009.0 STM E1688 ASTM E 1688 ASTM E 1689 PSEP 1995		EPA/600/4-90/027F
Pacific mysid – Holmesimysis costata EPA/600/4-90/027F Thronic Preshwater Methods. — EPA/600/4-91/002 Fathead minnow – Pimephales promelas Teratogenicity EPA 1001.0 Water flea – Ceriodaphnia dubia EPA 1003.0 Thronic Saltwater Methods — EPA/600/4-91/003 Sheepshead – Cyprinodon variegatus EPA 1004.0 Inland silverside – Menidia beryllina EPA 1006.0 Atlantic mysid – Mysidopsis bahia EPA 1008.0 Sea urchin fertilization – Arbacia punculata EPA 1008.0 Vest Coast Methods — EPA/600/R-95/136 Pacific oyster – Crassostrea gigas EPA 1005.0 Top smelt – Atherinops affinis — EPA 1006.0 Nussels – Mysilus sp — EPA 1005.0 Top smelt – Atherinops affinis — EPA 1006.0 Pacific mysid – Holmesimysis costata — EPA 1007.0 Echinoderms – Bendraster excentricus EPA 1009.0 Echinoderms – Dendraster excentricus EPA 1009.0 EGH 1009.0 SSTM Methods Bioconcentration, Fishes & Saltwater Bivalve Mollusks — ASTM E 1367 ASTM E 1367 Astm E 1563 Astm E 1563 Astm E 1688 Freshwater Invertebrate (Sediment) – (list species) — ASTM E 1688 Freshwater Invertebrate (Sediment) – (list species) — PSEP 1995 Mytilus sp — PSEP 1995 Microtox™, Organia Sediment Extract — PSEP 1995 Microtox™, Osland Other Methods Static Salmonid Dangerous Waste — WDOE 2021 WDOE 80-12 Part A		EPA/600/4-90/027F
Fathead minnow — Pimephales promelas Fathead minnow — Pimephales promelas Fathead minnow — Pimephales promelas Water flea — Ceriodaphnia dubia Green alga — Selenastrum capricornutum EPA 1002.0 Green alga — Selenastrum capricornutum EPA 1003.0 Chronic Saltwater Methods — EPA/600/4-91/003 Sheepshead — Cyprinodon variegatus EPA 1004.0 Inland silverside — Menidia beryllina Atlantic mysid — Mysidopsis bahia EPA 1007.0 Sea urchin fertilization — Arbacia punctulata EPA 1008.0 Vest Coast Methods — EPA/600/R-95/136 Pacific oyster — Crassostrea gigas EPA 1005.0 Mussels — Mytilus sp. Pacific oyster — Crassostrea gigas EPA 1005.0 Top smelt — Atherinops affinis EPA 1006.0 EPA 1005.0 EPA 1005.0 EPA 1005.0 EPA 1006.0 EPA 1007.0 Echinoderms — Strongelocentrotus purpuratus EPA 1007.0 Echinoderms — Dendraster excentricus EPA 1009.0 SSTM Methods Bioconcentration, Fishes & Saltwater Bivalve Mollusks ASTM E 1022 Marine/estuarine Amphipods — (list species) ASTM E 1367 Echinoderm Embryos — (list species) ASTM E 1688 Freshwater Invertebrate (Sediment) — (list species) ASTM E 1688 Freshwater Invertebrate (Sediment) — (list species) PSEP Methods SEP Methods PSEP Methods PSEP 1995 Rhepoxynius abronius PSEP 1995 Rhepoxynius abronius PSEP 1995 Rhepoxynius abronius PSEP 1995 Mytilus sp. PSEP 1995 Mytilus sp. PSEP 1995 Neanthes arenaceodentata PSEP 1995 Microtox™, Organic Sediment Extract PSEP 1995 Microtox™, Saline Sediment Extract PSEP 1995 Static Sallmonid Dangerous Waste		EPA/600/4-90/027F
Fathead minnow — Pimephales promelas Fathead minnow — Pimephales promelas Fathead minnow — Pimephales promelas Water flea — Ceriodaphnia dubia Green alga — Selenastrum capricornutum EPA 1002.0 Green alga — Selenastrum capricornutum EPA 1003.0 Chronic Saltwater Methods — EPA/600/4-91/003 Sheepshead — Cyprinodon variegatus EPA 1004.0 Inland silverside — Menidia beryllina Atlantic mysid — Mysidopsis bahia EPA 1007.0 Sea urchin fertilization — Arbacia punctulata EPA 1008.0 Vest Coast Methods — EPA/600/R-95/136 Pacific oyster — Crassostrea gigas EPA 1005.0 Mussels — Mytilus sp. EPA 1005.0 Top smelt — Atherinops affinis EPA 1006.0 Echinoderms — Strongelocentrotus purpuratus EPA 1007.0 Echinoderms — Strongelocentrotus purpuratus EPA 1008.0 Echinoderms — Dendraster excentricus EPA 1009.0 SSTM Methods Bioconcentration, Fishes & Saltwater Bivalve Mollusks ASTM E 1022 Marine/estuarine Amphipods — (list species) ASTM E 1367 Echinoderm Embryos — (list species) ASTM E 1688 Freshwater Invertebrate (Sediment) — (list species) ASTM E 1688 Freshwater Invertebrate (Sediment) — (list species) PSEP Methods SEP Methods PSEP Methods PSEP 1995 Rhepoxynius abronius PSEP 1995 Rhepoxynius abronius PSEP 1995 Mytilus sp. PSEP 1995 Mytilus sp. PSEP 1995 Neanthes arenaceodentata PSEP 1995 Mytilus sp. PSEP 1995 Mytilus sp. PSEP 1995 Neanthes arenaceodentata PSEP 1995 Neanthes arenaceodentata PSEP 1995 Mytilus Seliment Extract PSEP 1995 Microtox™, Organic Sediment Extract PSEP 1995 Microtox™, Saline Sediment Extract PSEP 1995 Static Sallmonid Dangerous Waste	Chronic Freshwater Methods – EPA/600/4-91/002	
Fathead minnow — Pimephales promelas Teratogenicity Water flea — Ceriodaphnia dubia Green alga — Selenastrum capricornutum EPA 1002.0 Chronic Saltwater Methods — EPA/600/4-91/003 Sheepshead — Cyprinodon variegatus Sheepshead — Cyprinodon variegatus EPA 1004.0 Inland silverside — Menidia beryllina EPA 1006.0 Atlantic mysid — Mysidopsis bahia EPA 1007.0 Sea urchin fertilization — Arbacia punctulata EPA 1008.0 Vest Coast Methods — EPA/600/R-95/136 Pacific oyster — Crassostrea gigas EPA 1005.0 Mussels — Mytilus sp. EPA 1005.0 Top smelt — Atherinops affinis EPA 1007.0 Echinoderms — Strongelocentroius purpuratus EPA 1008.0 EChinoderms — Dendraster excentricus EPA 1008.0 ECHINODER — Macrocystis pyrifera EPA 1009.0 STM Methods Bioconcentration, Fishes & Saltwater Bivalve Mollusks Marine/estuarine Amphipods — (list species) ASTM E 163 Bioaccumulation of Sed. Contaminants by Benthic Invertebrates ESEP Methods Bioconcentration — (list species) ASTM E 1688 Freshwater Invertebrate (Sediment) — (list species) ASTM E 1688 Freshwater Invertebrate (Sediment) — (list species) SEP Methods SEP Methods SEP Methods SEP 1995 Repoxymius abronius PSEP 1995 Repoxymius abronius PSEP 1995 Mytilus sp. Dendraster excentricus PSEP 1995 Mytilus sp. Dendraster excentricus PSEP 1995 Neanthes arenaceodentata PSEP 1995 Neanthes arenaceodentata PSEP 1995 Microtox™, Organic Sediment Extract PSEP 1995 Microtox™, Saline Sediment Extract PSEP 1995		EPA 1000.0
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Mussels - Mytilus sp.EPA 1005.0Top smelt - Atherinops affinisEPA 1006.0Pacific mysid - Holmesimysis costataEPA 1007.0Echinoderms - Strongelocentrotus purpuratusEPA 1008.0Echinoderms - Dendraster excentricusEPA 1008.0Giant kelp - Macrocystis pyriferaEPA 1009.0SSTM MethodsASTM E 1022Bioconcentration, Fishes & Saltwater Bivalve MollusksASTM E 1367Echinoderm Embryos - (list species)ASTM E 1363Bioaccumulation of Sed. Contaminants by Benthic InvertebratesASTM E 1688Freshwater Invertebrate (Sediment) - (list species)ASTM E 1706SEP MethodsPSEP 1995Ampelisca abditaPSEP 1995Echaustorius estuariusPSEP 1995Rhepoxynius abroniusPSEP 1995Crassostrea gigasPSEP 1995Mytilus sp.PSEP 1995Dendraster excentricusPSEP 1995Strongylocentrotus spp.PSEP 1995Microtox™, Organic Sediment ExtractPSEP 1995Microtox™, Organic Sediment ExtractPSEP 1995Microtox™, Saline Sediment ExtractPSEP 1995VDOE and Other MethodsStatic Salmonid Dangerous WasteWDOE 80-12 Part A	West Coast Methods - EPA/600/R-95/136	
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Echinoderms – Dendraster excentricus EPA 1008.0 Giant kelp – Macrocystis pyrifera EPA 1009.0 STM Methods Bioconcentration, Fishes & Saltwater Bivalve Mollusks ASTM E 1022 Marine/estuarine Amphipods – (list species) ASTM E 1367 Echinoderm Embryos – (list species) ASTM E 1563 Bioaccumulation of Sed. Contaminants by Benthic Invertebrates ASTM E 1688 Freshwater Invertebrate (Sediment) – (list species) ASTM E 1706 SEP Methods Ampelisca abdita PSEP 1995 Echaustorius estuarius PSEP 1995 Rhepoxynius abronius PSEP 1995 Crassostrea gigas PSEP 1995 Mytilus sp. PSEP 1995 Dendraster excentricus PSEP 1995 Strongylocentrotus spp. PSEP 1995 Neanthes arenaceodentata PSEP 1995 Microtox™, Organic Sediment Extract PSEP 1995 Microtox™, Organic Sediment Extract PSEP 1995 Microtox™, Saline Sediment Extract PSEP 1995 VDOE and Other Methods Static Salmonid Dangerous Waste WDOE 80-12 Part A		EPA 1007.0
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_ Echinoderm Embryos – (list species) ASTM E 1563 _ Bioaccumulation of Sed. Contaminants by Benthic Invertebrates ASTM E 1688 _ Freshwater Invertebrate (Sediment) – (list species) ASTM E 1706 **SEP Methods** _ Ampelisca abdita PSEP 1995 _ Echaustorius estuarius PSEP 1995 _ Rhepoxynius abronius PSEP 1995 _ Crassostrea gigas PSEP 1995 _ Mytilus sp. PSEP 1995 _ Dendraster excentricus PSEP 1995 _ Strongylocentrotus spp. PSEP 1995 _ Strongylocentrotus spp. PSEP 1995 _ Neanthes arenaceodentata PSEP 1995 _ Microtox™, Organic Sediment Extract PSEP 1995 _ Microtox™, Saline Sediment Extract PSEP 1995 **MOOE and Other Methods** _ Static Salmonid Dangerous Waste WDOE 80-12 Part A	Marine/estuarine Amphipods – (list species)	ASTM E 1367
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Microtox™, Saline Sediment Extract PSEP 1995 WDOE and Other Methods Static Salmonid Dangerous Waste WDOE 80-12 Part A		
WDOE and Other Methods _ Static Salmonid Dangerous Waste		PSEP 1995
_ Static Salmonid Dangerous Waste	Microtox™, Saline Sediment Extract	PSEP 1995
	WDOE and Other Methods	
	Static Salmonid Dangerous Waste	WDOE 80-12 Part A
		WDOE 80-12 Part B
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Sediment.	Fee/	parameter/me	thod is	\$100.	Maximum	fee i	is \$5	500.
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Calculated Fee \$

NOTE: The only program known to require accreditation for sediments is the Puget Sound Estuary Program (PSEP) which requires use of accredited labs for reporting samples analyzed for Puget Sound Dredged Disposal Analysis (PSDDA) projects. Do not request accreditation unless there is a specific requirement.

Antimony		
Arsenic		
— Cadmium		
Copper		
Lead		
Mercury		
Nickel		
Silver		
Zinc		
Polycyclic Aromatic		
Hydrocarbons		
Base/Neutral and Acid		
(Semivolatile) Organics		

TOTAL FEE CALCULATION

Base Fee Calculation.

The "base fee" below is the unadjusted fee for a one-year accreditation period. Out-of-state labs will be billed for the actual travel costs after the on-site audit.

- If the lab is applying only for direct accreditation from the Department of Ecology, add the "calculated fees" from above and enter sum below.
- If the lab is applying only for recognition of reciprocity or of a third party accreditation, enter \$300 below. Note: Some reciprocity agreements specify an amount other than \$300; contact the Laboratory Accreditation Unit for the amount.
- If the lab is applying for some parameters through direct accreditation, and some through recognition of a third party/reciprocity agreement, add \$300 to the sum of the "calculated fees"; enter sum below. Note: Some reciprocity agreements specify an amount other than \$300; contact the Laboratory Accreditation Unit for the amount.

Base Fee	\$

Adjusted Fee Calculation.

Under the provisions of WAC 173-50-190(8), accreditation fees are adjusted every two years based on the Implicit Price Deflator for State and Local Governments, a document published by the U.S. Department of Commerce. The price deflator for 1999 – 2000 allowed a fee increase of 7.37%, but because of the Initiative 601 limitation that, in a given year, fee increases not exceed the fiscal growth factor, fees have been increased only 2.87% effective April 1, 2001. This, combined with a 5.13% increase in 1996 and a 4.05% increase in 1998, makes the total increase 12.5% over the fees given in WAC 173-50 and on the application.

The fee to be submitted to Ecology's Fiscal Office is the total base fee above, multiplied by 1.125. The amount can be **rounded to the nearest dollar.** This is identified below as the **Adjusted Fee**, the fee to be submitted to Ecology.

Base Feex 1.125 = Adjusted Fee	\$
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Name	Present Position				
Supervisory Position	Date Hir	Date Hired			
(yes) (no)					
Major Duties (be specific in terms of duties in anal	ysis of parameters for which	accreditation	is requested)		
Formal Education	5				
Name of Academic Institution	Dates Attended <u>From To</u>	<u>Major</u>	<u>Minor</u>	Degree/Date	
Special Courses. Indicate any short courses, profes	sional training sessions, etc.,	which prepar	ed the emplo	yee for the majo	
Special Courses. Indicate any short courses, profes	sional training sessions, etc., Presented By	which prepar	ed the emplo	Dates Attended From To	
Special Courses. Indicate any short courses, profes duties described above.		which prepar	ed the emplo	Dates Attended	
Special Courses. Indicate any short courses, profes duties described above.		which prepar	ed the emplo	Dates Attended	
Special Courses. Indicate any short courses, profes duties described above. Name of Course	Presented By		 	Dates Attended	
Special Courses. Indicate any short courses, profes duties described above. Name of Course Experience. Previous analytical lab employers, mo	Presented By st recent first. Add Additiona	al pages if nec		Dates Attended From To	
Special Courses. Indicate any short courses, profes luties described above. Name of Course Experience. Previous analytical lab employers, mo	Presented By st recent first. Add Additiona	al pages if neo	cessary.	Dates Attended From To	
Special Courses. Indicate any short courses, profes duties described above. Name of Course Experience. Previous analytical lab employers, mo Employer Location	Presented By st recent first. Add Additiona	al pages if neo Position Dates Empl	eessary.	Dates Attended From To	
Special Courses. Indicate any short courses, profes duties described above. Name of Course Experience. Previous analytical lab employers, mo	Presented By st recent first. Add Additiona	al pages if neo Position Dates Empl	eessary.	Dates Attended From To	
Special Courses. Indicate any short courses, profes duties described above. Name of Course Experience. Previous analytical lab employers, mo Employer Location	Presented By st recent first. Add Additiona	al pages if neo _ Position Dates Empl	cessary.	Dates Attended From To	

Continued on next page

5. Personnel Data Continued

Fill in the following sheet (or a substitute) for all technical personnel in the lab. Use additional sheets if necessary.

Type Position	Name	Technical specialty	Date	Summary of education/Experience
- J P 0 - 0224202	- 100	- committee of the comm	Hired	(e.g., BS Chem 78, 12 yrs anal lab)
Lab Manager				
QA Coordinator				
Supervisors				
Professional/ Technical				
Staff				

	f analytical equipment present in the lab and used iteets if necessary to add items. Equipment inventor ist below.		
Type of Equipment	<u>Manufacturer</u>	Model No.	Oty.
Atomic Absorption Spectrophotometer			
Direct Aspiration			
Furnace			
Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES)			
ICP-Mass Spectrometer (ICP-MS)			
Gas Chromatographs (identify GC associated	with each detector)		
Flame Ionization Detector			
Electron Capture Detector			
Photoionization Detector			
Hall Detector			
Halide Specific Detector			
Nitrogen/Phosphorus Detector			
Flame Photometric Detector			
Other Detector (specify)			
GC/Mass Spectrometer			
Spectrophotometer			
UV-Visible			
IR			
Fourier Transform IR			
pH meter			
Turbidimeter			
Flame Photometer			
Proportional Counter			
Scintillation Counter			

Continued on next page

6. Equipment Data. Continued

Type of Equipment	<u>Manufacturer</u>	Model No.	<u>Qty.</u>
High Performance Liquid Chromatograph graph (HPLC) with:			
Ultraviolet detector			
Fluorescence detector			
Other detector (specify)			
Mercury Analyzer			
Ion Chromatograph			
Spectrofluorometer			
X-Ray Diffraction Unit			
Microscope			
General Purpose			
Polarized Light			
Phase Contrast			
Scanning Electron			
Transmission Electron			
Other (specify)			
Analytical Balance			
Conductivity Meter			
Dissolved Oxygen Meter			

SECTION III - THIRD PARTY ACCREDITATION OR RECIPROCITY

Laboratories applying for recognition of accreditation by a third party or an existing reciprocity agreement <u>must</u>:

- complete Sections I, II, and III
- submit copies of:
 - (1) the third party accreditation/license/certificate including the scope of accreditation
 - (2) the third party's **on-site audit report**
 - (3) the third party's review of the lab's QA Manual
 - (4) the most recent evaluation reports of PE sample analysis results for the applicable parameters

This completed application and an administrative fee in the sum of \$300.00 **or** the fee specified in the applicable reciprocity agreement (adjusted for inflation as on Page 7) should be submitted to the Department of Ecology Cashiering Section. See page 2 for addresses.

Name and Address of Accrediting Agency	
	Expiration Date of Accreditation
I agree to furnish evidence of conting party identified above for the ention I understand that failure to do so concern accreditation for the parameters/m	sh Evidence of Continuing Accreditation by Third Party nuing accreditation/licensure/certification by the third re period of accreditation by Department of Ecology, and ould result in revocation of Department of Ecology ethods so recognized. If the third party accreditation is s's accreditation expires, I will provide evidence that the d.
(signature of applicant or designated repres	sentative) (position)
	(date)

NOTE: After review by the Laboratory Accreditation Unit, the applicant will be notified if the third party accreditation will be recognized in the State of Washington for all parameters/methods requested in the application. If there are parameters/methods not covered by the third party accreditation, the applicant will be advised and may submit an additional application for those parameters/methods.